

# POWERSCREEN® TRAKPACTOR 320

HORIZONTAL IMPACTOR



TECHNICAL SPECIFICATION - REV 10 01/02/2023





## TRAKPACTOR 320



# OVERVIEW

## SPECIFICATION

<b>Total Weight VGF:</b>	Tier 3: 36,800kg (81,130lbs) Bypass conveyor, twin pole magnet, grinding path Tier 4F: 36,560kg (80,601lbs) Hopper extensions, bypass conveyor, single pole magnet
<b>Total Weight PS:</b>	Tier 4F: 38,160kg (84,128lbs) Hopper extensions, bypass conveyor, single pole magnet
<b>Transport</b>	<b>Length</b> 14.78m (48' 6") <b>Height</b> 3.46m (11' 4") <b>Width</b> 2.57m (8' 5")
<b>Working</b>	<b>Length</b> 14.36m (47' 1") <b>Height</b> 3.85m (12' 8") <b>Width</b> 5.53m (18' 2") with bypass conveyor deployed
<b>Crusher Type:</b>	Twin apron 4 bar impact crusher, feed opening 1130 x 800mm (44.5" x 31.5")
<b>Power Unit</b>	Caterpillar C9.3 250 kW (335hp) or Scania DC9 313A 257 kW (350hp)
<b>Plant Colour</b>	RAL 5021, RAL 7024, RAL 9005

## FEATURES & BENEFITS

The Powerscreen® Trakpactor 320 Horizontal Shaft Impactor is a highly compact tracked crusher designed to offer both excellent reduction & high consistency of product yield.

The Powerscreen® Trakpactor 320 is designed to give optimum performance in both quarry & recycling applications & is an ideal mid size contractors machine due to its compact design & mobility.

- Output potential of up to 320 tph / 353 US tph - depending on material type & crusher settings
- Double deck grizzly feeder with underscreen
- Radio remote control as standard
- Fully independent hydraulically driven pre-screen (optional)
- Load management system to control feeder speed
- Suitable for a variety of feed materials
- Proven Terex Impact crusher with hydraulic overload protection, 4 bar rotor & twin apron design
- Crusher speed variation through user friendly PLC control system
- Fully independent under crusher vibrating pan feeder (optional)
- Modular conveyor with raise/lower facility to aid clearance of rebar
- Powerful overband magnet (optional)
- Designed to give optimum performance in both aggregate, recycling & mining applications
- Hydraulically operated clutch & highly fuel efficient direct drive system
- Powerscreen Pulse telemetry as standard

## APPLICATIONS



**Aggregate**  
Blasted rock  
River rock



**Recycling**  
C&D waste  
Foundry waste



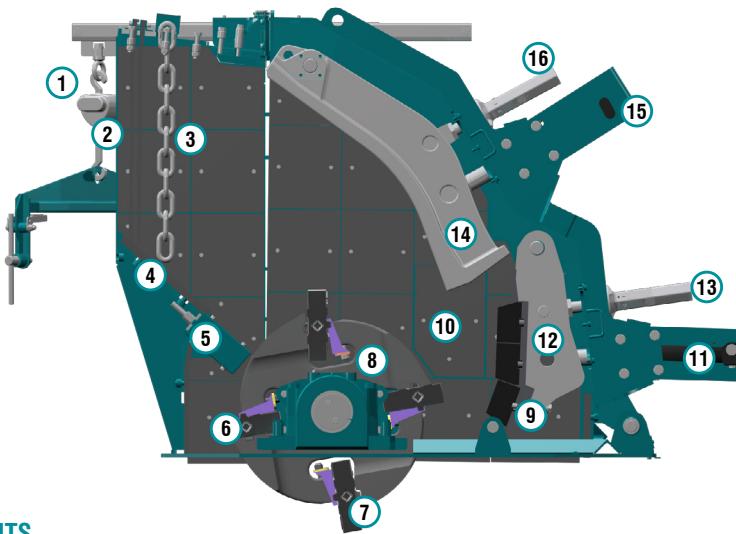
**Mining**  
Processed ores  
Processed minerals



TRAKPACTOR 320



# CRUSHER



## PRINCIPAL COMPONENTS

- 1: Crusher Opening
- 2: Rubber Curtain
- 3: Chain Curtain
- 4: Inlet Chute
- 5: Inlet Wear Bar
- 6: Full Blow Bar
- 7: Half Blow Bar
- 8: Rotor

- 9-10: Wear Liners
- 11: Control Cylinder
- 12: Bottom Impact Apron
- 13: Apron Adjustment Spindle
- 14: Top Impact Apron
- 15: Control Cylinder
- 16: Apron Adjustment Spindle

## PRINCIPLES OF OPERATION

Material enters via crusher opening & slides down the inlet chute where it is struck by the blow bars fixed within the rotor. This initial impact breaks the material which is then accelerated towards the top apron where more reduction takes place on impact. This material then falls back onto the blow bars & the cycle is repeated until the material is small enough to pass between the top apron & blow bar. Further reduction occurs on the bottom apron until the material can again pass

through the gap & discharge from the underside of the crusher. Should an un-crushable object enter the chamber, the overload cylinders will relieve & allow the object to pass. The cylinders will then return to the pre-set crushing position. The pre-set gap is adjusted by turning the adjustment spindle whilst the weight of the apron is held on the cylinder (hydraulic assist).

The hydraulic cylinders are pre-loaded to minimise apron bounce & wear on the cylinders. This arrangement also greatly reduces the oversize produced & is Patented: GB2455203

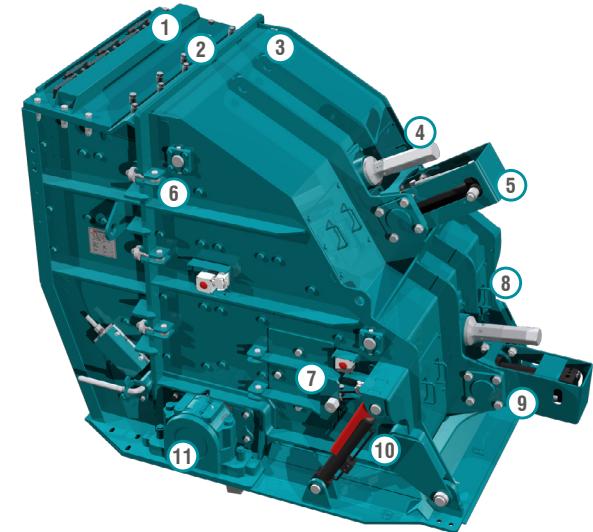


## TRAKPACTOR 320



# CRUSHER SPECIFICATION

<b>Feed opening:</b>	1130mm x 800mm (44.5" x 31.5")
<b>Max lump size*:</b>	450mm <sup>3</sup> (18in <sup>3</sup> ) / 780mm (31") diagonally / 800 x 500 x 250mm (31 x 20 x 10") slab * depending on material & blow bar specification
<b>Rotor width:</b>	1100mm (43.3")
<b>Rotor diameter:</b>	1030mm (40.5")
<b>Number of aprons:</b>	2
<b>Max clearance:</b>	180mm (7") on both aprons
<b>Max OSS setting:</b>	150mm (6") upper apron, 50mm (2") lower apron
<b>Min CSS setting:</b>	75mm (2.9") upper apron, 20mm (0.75") lower apron
<b>Blow bars:</b>	Total of 4 blow bars
<b>Blow bar removal:</b>	Vertically
<b>Blow bar configuration:</b>	2 full & 2 half (optional 4 full)
<b>Setting adjustment:</b>	Hydraulic assist
<b>Overload protection:</b>	Hydraulic
<b>Rotor speeds:</b>	595 - 735rpm (32 - 40 m/s) (105 - 131 ft/s)
<b>Applications:</b>	Demolition / recycling / quarry
<b>Crusher weight:</b>	9000kg (19,842lbs)
<b>Full blow bar weight:</b>	220kg (485lbs)
<b>Side liners:</b>	20mm (0.75") thick, abrasive resistant steel



## PRINCIPAL COMPONENTS

- 1: Chain curtain cover
- 2: Main welded body
- 3: Impactor hinged section
- 4: Toggle bolts with enclosed polyurethane shock absorber
- 5: Inspector covers
- 6: Hydraulic overload & adjustment cylinders
- 7: Side door
- 8: Inspection covers
- 9: Bearing plumb block housing with mud guard & heavy duty labyrinth seals
- 10: Trunions
- 11: Hinged section opening cylinder



## TRAKPACTOR 320



# CRUSHER FEATURES

### **Crusher body:**

Precision fabricated from structural steel plate & fully lined with replaceable 500 HB abrasion resistant liner plates. Hinged side door allows access to apron tips & rotor for gap measurements & inspection. Complete hinged section opens hydraulically to allow blow bar removal & replacement, apron & liner replacement or major maintenance.

### **Rotor:**

Structural steel & fitted with four reversible, replaceable & fully clamped blow bars

### **Bearings:**

Double row self aligning spherical roller bearing fitted each end of rotor

### **Aprons:**

Cast manganese steel with replaceable 500 HB abrasion resistant wear plate on tip of bottom apron

### **Drive:**

Direct through wedge belts with tensioning system on the power unit

### **Lubrication:**

Grease lubricated rotor bearings fitted with inner & outer independently lubricated heavy duty labyrinth seals

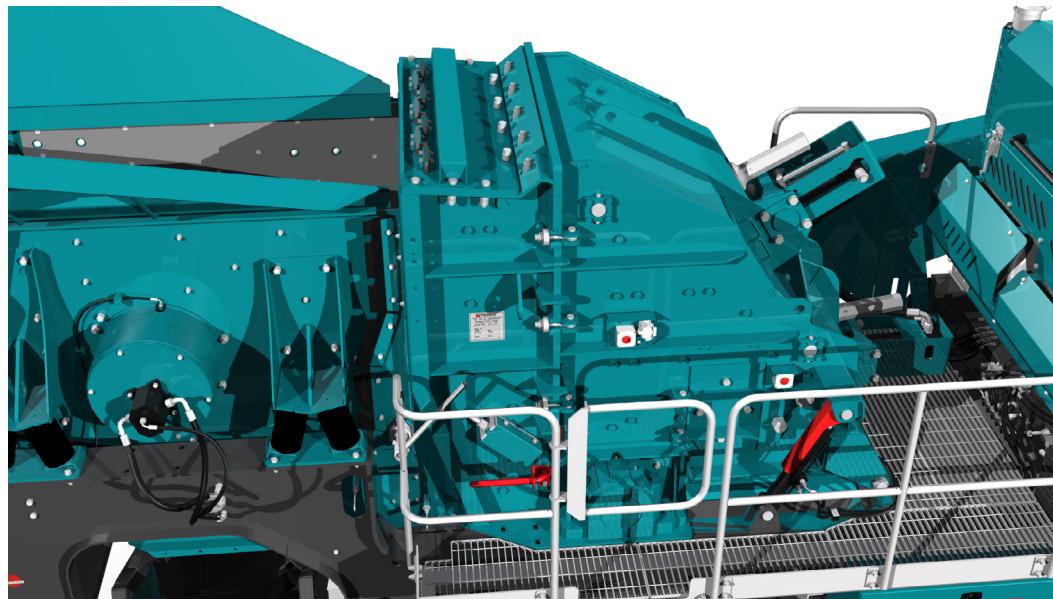
### **Blow bars:**

Standard blow bar is martensitic steel, options are available in ceramic, medium chrome, medium chrome ceramic, high chrome, high chrome ceramic & toughened chrome

### **APPLICATIONS**

This plant is designed for both demolition & quarrying applications. When fitted with martensitic or ceramic blow bars the crusher will tolerate small quantities of steel reinforcing bar in the feed. However, the machine is not designed to accept large pieces of steel or other un-crushable objects & the feed material should be assessed / inspected for suitability prior to crushing. It is vitally important that large pieces of steel or similar un-crushable objects are not allowed to enter the crushing chamber as severe damage & injury may occur.

When high chrome bars are fitted **all** steel should be removed from the feed material. The machine should only be used on quarry applications or clean materials such as asphalt.





TRAKPACTOR 320

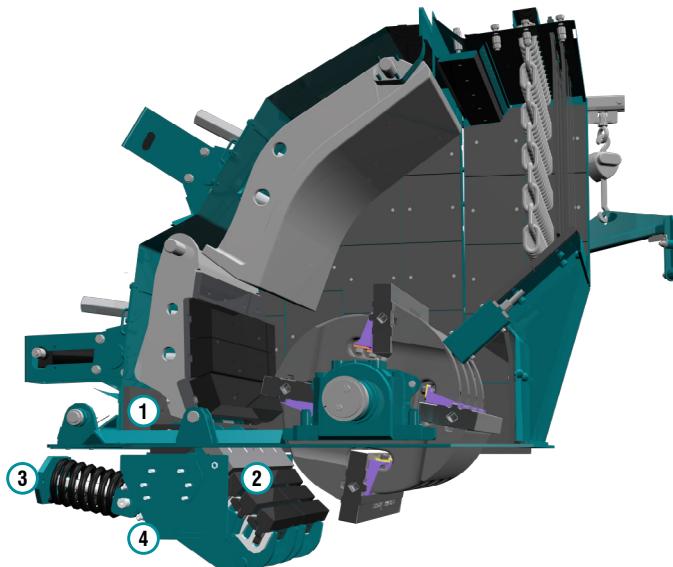
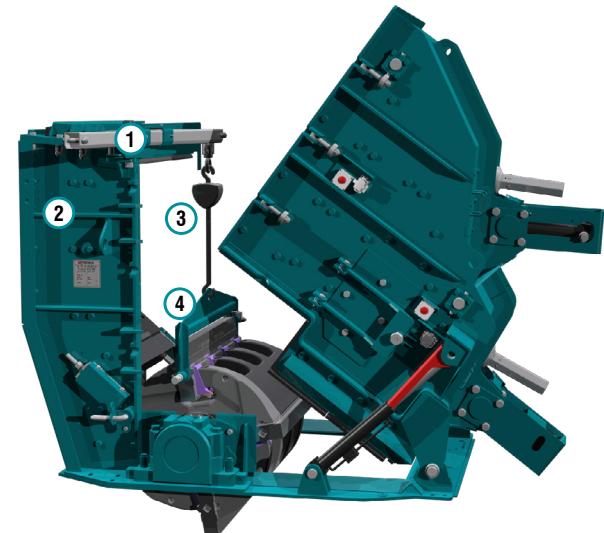


# CRUSHER OPTIONS

## BLOW BAR JIB CRANE

Part No. CR014-054-601

- 1: Fixes to pre-existing allocated mounting points on chamber fixed body kit provides all necessary parts with no rework required
- 2: Pivot and track facilitates full access to blow bar and swings clear of body during operation with minimal footprint
- 3: 500 kg s.w.l. pulley block
- 4: Designed to work with chamber blow bar cradle



## GRINDING PATH

Part No. CR014-193-601

- 1: Lubricated split pivot blocks for ease of maintenance
- 2: Self retained manganese steel grinding rails with abrasion resistant steel top plate
- 3: Lubricated adjusting spindle with provision to fit socket for ease of adjustment
- 4: Kit provides all necessary parts to retrofit to existing feedboot with no rework required



**TRAKPACTOR 320**



# HOPPER

## VIBRATING GRIZZLY FEEDER HOPPER

Low profile hopper as standard, rigid hopper sides, no setup required, mounted directly to chassis

**Hopper length:** 4.04m (13' 3")

**Hopper width:** 2.1m (6' 11') /

**Hopper capacity:** 6.25m<sup>3</sup> (8.2 cu. yd.) / 9m<sup>3</sup> (11.8 cu. yd.) with extensions

**Hopper body:** 8mm thick abrasion resistant steel plate





**TRAKPACTOR 320**



## VIBRATING GRIZZLY FEEDER

Vibrating grizzly feeder pan with efficient, self cleaning integral two stage grizzly section

**Type:** Fully sprung vibrating pan

**Length:** 4.04m (13' 3")

**Width:** 1.08m (3' 6")

**Pan:** 10mm (0.4") thick abrasion resistant base plate

**Drive unit:** Twin heavy duty cast eccentric shafts, running in spherical roller bearings, gear coupled at drive end

**Drive:** Flange mounted hydraulic motor

**Grizzly:** Two stepped bolt in cartridge sections with 950mm (3' 1") long self cleaning fingers set at 42mm (1.65") nominal spacing. Optional grizzly cartridges 30mm & 60mm, optional punch plate cartridges 30mm, 45mm & 60mm

**Screen:**

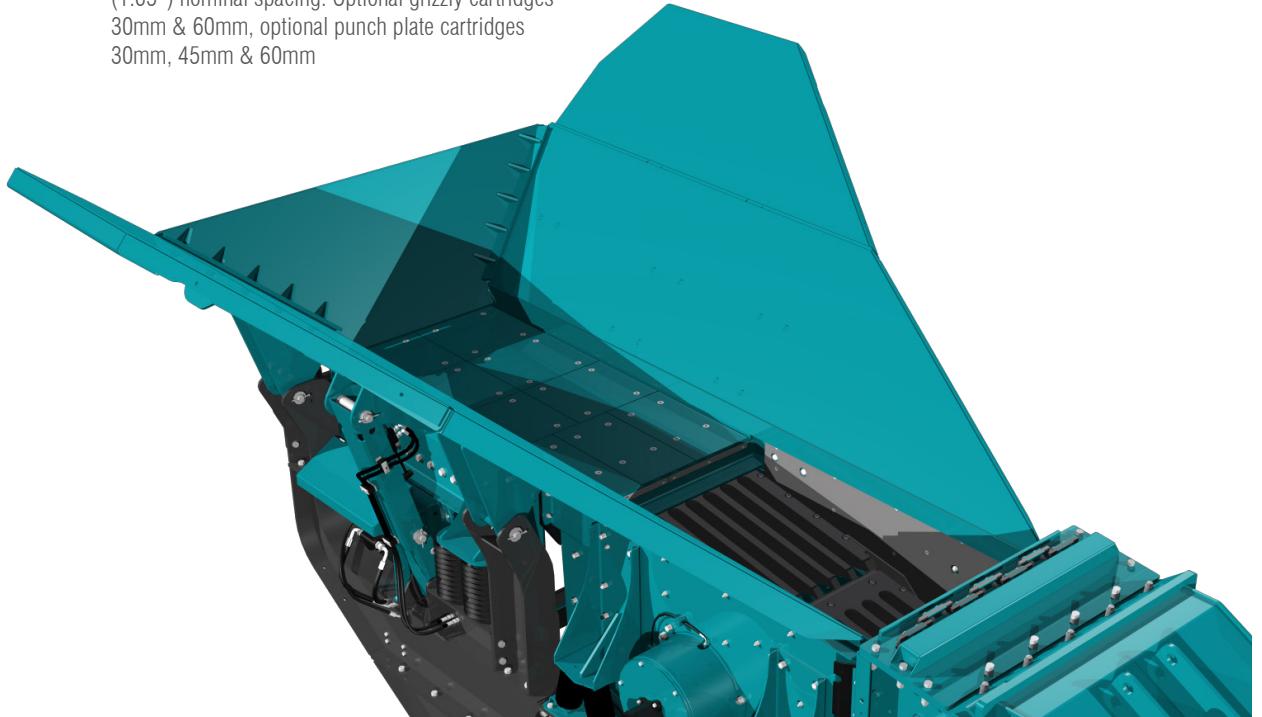
Removable rubber blanking mat fitted as standard, mesh screens optional

**Control:**

Variable speed control via control panel & on optional radio remote where specified

**Chute:**

Plant features bypass chute with internal two way flap door that controls the direction of fines, either forward onto product belt or down onto optional side conveyor where specified





**TRAKPACTOR 320**



# PRODUCT CONVEYOR

## FULL LENGTH PRODUCT CONVEYOR

**Common features:** Conveyor is shallow troughed with rollers at the lower end & a stainless steel tray design below magnet discharge area. The upper part of the conveyor has a centre roller with low friction slider pads providing the troughing. The conveyor is fully tunnelled with minimal snag areas.

**Belt specification:** Toughflex SW630/2 9+3 Grade X Covers

**Belt width:** 1000mm (2' 11")

**Feedboot:** Fabricated steel with abrasion resistant steel liners

**Impact area:** Low friction impact bars (under crusher pan feeder optional)

**Skirting:** Fully skirted up to magnet discharge area

**Drive:** Hydraulic motor direct to head drum

**Lubrication:** Centralised greasing bank, for shaft bearing lubrication

**Dust covers:** Aluminium removable dust covers are fitted over the exposed section of the conveyor. Optional head drum hood available

**Belt adjustment:** Belt tensioning using screw adjusters at head drum

**Pressure sensor:** Designed to stop plant feed if the discharge conveyor slows or stops

## PRODUCT CONVEYOR CONFIGURATION

Fully removable modular unit

Hydraulic raise & lower facility to increase clearance & aid rebar removal

Hydraulic raise & lower facility can be operated whilst crushing

**Discharge height:** 3.46m (11' 4")

**Stockpile volume:** 76m<sup>3</sup> (99 cu. yd.)

**Discharge height:** 4m (13' 1") (extended conveyor)

**Stockpile volume:** 118m<sup>3</sup> (154 cu. yd.) (extended conveyor)

## DUST SUPPRESSION SYSTEM

Spray bars with atomiser nozzles are mounted over the product conveyor feed & discharge points, piped to an inlet manifold for customer water supply or optional pump

**Type:** Clean water multi atomising nozzles

**Inlet:** Single point on chassis

**Inlet pressure:** 3 bar (44 psi)

**Water supply:** 24 L/min (6.34 G/min) minimum

**Frost protection:** Via system main valves

**Pump:** Optional





**TRAKPACTOR 320**



# POWER UNIT & HYDRAULICS

## **Tier 3 Equivalent:**

Caterpillar C9.3, 6 cylinder, direct injection 250 kW (335hp)

## **Operating conditions:**

Ambient temp. +30°C to -5°C (86°F to 23°F) at altitudes up to 2000m (6562ft) above sea level - For applications outside this range please consult with Powerscreen as the plant performance / reliability may be affected.

## **Operating rpm range:**

1700 - 2100rpm

## **Plant drive:**

High quality pumps driven via belts from engine

## **Fuel tank capacity:**

500 L (132 US Gal)

## **Tier 4F / Stage V:**

Scania DC9 313A 257kW (350hp)

## **Operating conditions:**

Ambient temp. +30°C to -5°C (86°F to 23°F) at altitudes up to 2000m (6562ft) above sea level - For applications outside this range please consult with Powerscreen as the plant performance / reliability may be affected.

## **Operating rpm range:**

1700 - 2100rpm

## **Emission control technique:**

Selective Catalytic Reduction (SCR)

## **Reductant tank size:**

60 L (16 US Gal)

## **Plant drive:**

High quality tandem pumps driven via engine PTO's

## **Fuel tank capacity:**

500 L (132 US Gal)

## **Hydraulic tank capacity:**

550 L (145 US Gal)

## **Clutch type:**

Highly efficient, self-adjusting HPTO 12 dry plate clutch with electro hydraulic operation

## **Crusher drive:**

Direct drive via wedge belts, Clutch pulley diameter 280mm (11") Crusher pulley diameter 800mm (31.5") Crushing performance can be tuned by changing engine speed between 1700 - 2100rpm on the PLC without significant loss of engine performance

## **Drive tensioning:**

Manually adjustable screw tensioners located under power unit

## **Scania Stage V / Tier 4 Final Technology**

Scania industrial engines meet the requirements of Stage IV and Tier 4 Final without the need for a particulate filter. With only EGR and SCR technology, the installation will be unaffected. Scania-developed systems for engine management and emission control ensure an attractive blend of performance and operating economy.

The function of the SCR system is based on the injection of a urea solution (AdBlue or DEF, Diesel Exhaust Fluid) into the after-treatment system.

With EGR, a small amount of exhaust gases is returned to the intake of the engine, diluting the intake air and reducing the oxygen concentration. This will reduce the combustion temperature and further reduce emissions.





**TRAKPACTOR 320**



## TRACKS

### CRAWLER TRACKS

Type:	Heavy duty, 2 speed, bolt on
Sprocket centres:	3.24m (10' 8")
Track width:	400mm (1'7")
Gradeability:	30° maximum
Drive:	Hydraulic
Tensioning:	Hydraulic adjuster, grease tensioned





**TRAKPACTOR 320**



# PLANT CONTROLS & OTHER

## UMBILICAL CONTROL

An umbilical control unit is supplied as standard with the plant. Controls tracking function & has a stop button for the plant.

## CHASSIS

Heavy duty I-Section welded construction, provides maximum strength & accessibility.

8mm thick web

15mm thick flange

Modular chassis between pre-screen & VGF

## RADIO REMOTE

Complete with integrated tracking functions & plant stop button.

Remote can also be used for:

- Feeder (stop/start/speed)
- Product conveyor (raise/lower)
- Open top apron



## GUARDS

Wire mesh or sheet metal guards are provided for all drives, flywheels, pulleys & couplings.

The guards provided are designed & manufactured to CE & ANSI standards.

## PLATFORMS

Platforms are provided for maintenance on one side of the feeder & impactor. These are fitted with double row handrails & access ladders

Platforms are also provided to gain access to the rear of the crusher & the power unit

Galvanised walkways as standard

## PLANT CONTROLS

Full PLC control panel

Full system diagnostics

Controls fitted to the plant include:

Sequential start up

- Engine (start/stop/speed)
- Crusher (start/stop)
- Optional bypass conveyor (start/stop)
- Product conveyor (start/stop & raise/lower)
- Feeder (start/stop/speed) controls, located on the side of the plant



## TRAKPACTOR 320



# OPTIONS

## VIBRATING PAN FEEDER

<b>Pan Type:</b>	Sprung vibrating pan
<b>Vibrating Unit:</b>	Twin heavy duty cast eccentric shafts running in spherical roller bearings, gear coupled at drive end, flange mounted hydraulic motor
<b>Length:</b>	2.15m (7'1")
<b>Width:</b>	1.08mm (3'7")
<b>Pan:</b>	12mm thick replaceable abrasion resistant liners

## LIVE PRE-SCREEN

<b>Pre-screen:</b>	Sprung vibrating unit with stepped finger bofor deck
<b>Vibrating unit:</b>	Single shaft, out of balance weights, flange mounted hydraulic motor
<b>Bofor deck:</b>	2 stepped bolt in cartridges 50mm (2") nominal spacing 9mm throw 1000rpm screen speed
<b>Dimension (top deck)</b>	
<b>Length:</b>	2m (6' 7")
<b>Width:</b>	1.06m (3' 6")
<b>Mesh deck:</b>	38mm (1.5") nominal spacing 17° incline
<b>Dimension (bottom deck)</b>	
<b>Length:</b>	1.6m (5' 3")
<b>Width:</b>	1.06m (3' 6")
<b>Chute:</b>	Bypass chute with internal 2 way flap door fitted, to control direction of fines, either forward onto the product belt or onto the optional side conveyor (if blanking mat is fitted)
<b>Modular section:</b>	Hopper & feeder mounted on removable modular subframe

## PRE-SCREEN HOPPER

Hydraulic folding hopper with over centre struts. Hydraulic hopper lock system operated at ground level

**Hopper width:** 2.53m (8' 4")

**Hopper capacity:** 6.25m<sup>3</sup>(8.2 cu. yd.)

**Hopper body:** 8mm thick abrasion resistant steel plate

## PRE-SCREEN HOPPER (EXTENSIONS)

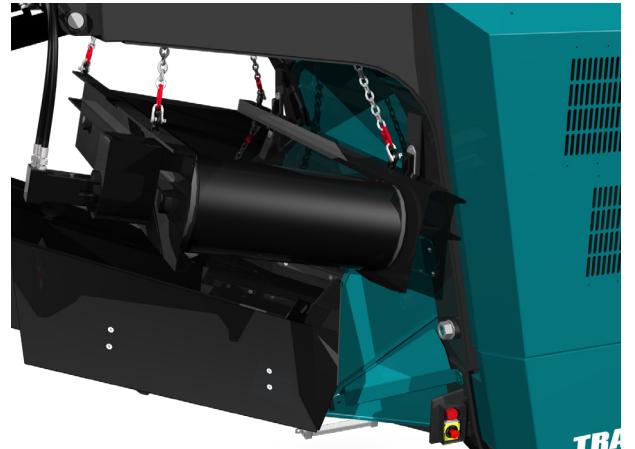
Bolt-on hopper extensions. Hydraulic folding hopper with over centre struts. Hydraulic hopper lock system operated at ground level.

**Hopper width:** 4m (13' 1")

**Hopper capacity:** 9m<sup>3</sup> (11.8 cu. yd.)

**Hopper body:** 8mm thick abrasion resistant steel plate

**Weight:** 540kg (1190lbs)





## TRAKPACTOR 320



# OPTIONS 2

## BYPASS CONVEYOR

<b>Belt:</b>	EP250/2 with 3mm top & 1.5mm bottom heavy duty rubber covers, vulcanised joint
<b>Type:</b>	Steel troughed roller, hydraulic folding
<b>Width:</b>	650mm (2'2")
<b>Discharge:</b>	2.72m (8' 11")
<b>Stockpile volume:</b>	37m <sup>3</sup> (48 cu. yd.)
<b>Drive:</b>	Direct drive hydraulic motor
<b>Position:</b>	Discharge on RHS of plant. LHS variant available * only available with pre-screen
<b>Weight:</b>	1250 kg (2755 lbs)

## EXTENDED BYPASS CONVEYOR

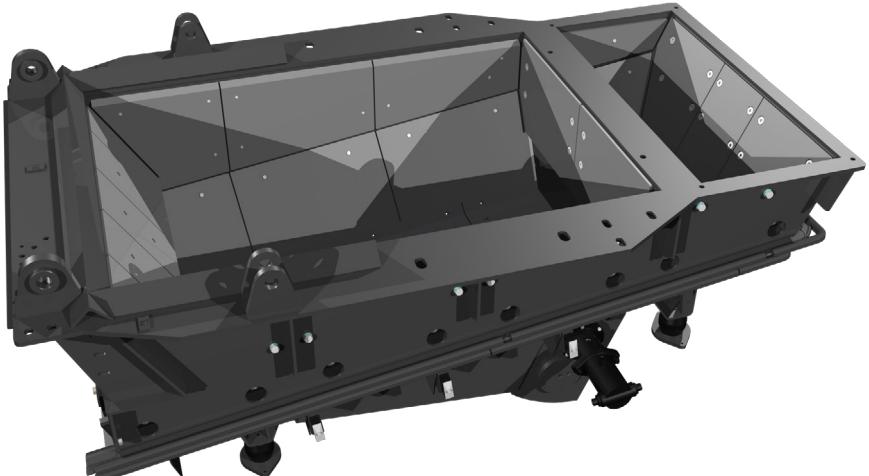
<b>Belt:</b>	EP250/2 with 3mm top & 1.5mm bottom heavy duty rubber covers, vulcanised joint
<b>Type:</b>	Steel troughed roller, hydraulic folding
<b>Width:</b>	650mm (2' 2")
<b>Discharge:</b>	3.78m (12' 5")
<b>Stockpile volume:</b>	100m <sup>3</sup> (130 cu. yd.)
<b>Drive:</b>	Direct drive hydraulic motor
<b>Position:</b>	Discharge on RHS of plant LHS variant available *only available with pre-screen
<b>Weight:</b>	1250 kg (2755 lbs)

## VIBRATING UNDERPAN FEEDER

<b>Type:</b>	Steel bodied vibrating feeder fitted with abrasion resistant liners, mounted under the crusher & designed to prevent any impact damage to the product conveyor belt
<b>Width:</b>	1.1m (3' 7")
<b>Length:</b>	2.47m (8' 1")
<b>Note:</b>	When a vibrating underpan feeder is selected, the short product conveyor belt which accompanies will have the following specification: EP500/3 8+2

## OVERBAND MAGNET

<b>Magnet type:</b>	Single Pole (SP), Twin Pole (TP) & Heavy Duty Twin Pole (HTP) available.
<b>Belt width:</b>	750mm (2' 6")
<b>Centres:</b>	1700mm (5' 7")
<b>Drive/Control:</b>	Direct drive hydraulic motor / pre-set variable speed
<b>Weight:</b>	SP 975kg / TP 1470kg / HTP 2300kg





## TRAKPACTOR 320



# OPTIONS 3

## CONTROL PANEL POSITIVE PRESSURISATION

An additional unit designed to reduce dust particles within the control panel.

A continuous flow of clean air is passed through the cabinet whilst the unit simultaneously filters out any particulate laden air.

## HOT/COLD CLIMATE OILS

Cold climate oils - (Recommended for ambient temperatures between -20 to +30°C) - Hydraulic & lubrication oils only. Other component modifications may be required for low temperature operations. Please contact the Powerscreen sales & applications department with any queries.

Hot climate oils - (Recommended for ambient temperatures between +15 to +50°C)

## BLOW BARS

**High:** Suitable for medium to hard rock

**Chrome:** Applications with no steel present in feed.  
Good wear characteristics

**Ceramic:** Suitable for applications with limited steel in feed. Improved wear characteristics over standard martensitic

**4 full blow bars:** Available in all options

## BELT WEIGHER

Belt scale monitors material volume.  
Belt scales fitted to product on standard conveyor.

## PLANT LIGHTING

Plant lighting kit available, contains two bi-directional working lamps.  
Both activated remotely from control panel.



TRAKPACTOR 320



# POWERSCREEN PULSE

## RECORD, DISPLAY AND ANALYSE DATA: HIGH EFFICIENCY THROUGH PRECISE INFORMATION

Available online anywhere and at any time: comprehensive information on the GPS location, start and stop times, fuel consumption, tonnages, cone settings, wear ratings, operating hours, maintenance status, and much more.



**AVAILABLE ANYWHERE AND AT ANY TIME**

**DASHBOARD DISPLAY**

**FLEET OVERVIEW**

**WEEKLY REPORT DIRECT TO YOUR INBOX**

**GPS: MACHINE TRACKING**

**REPORTING**  
UTILISATION, PERFORMANCE & PART SPECIFIC

Three screenshots of the Powerscreen Pulse software interface are displayed above the hand. The top screenshot shows a world map with location markers. The middle screenshot shows a dashboard with a map and various data metrics. The bottom screenshot shows a table of fleet assets with columns for Asset ID / Serial, Owner, Type, Make / Model, Last Comm. Time, and Location.

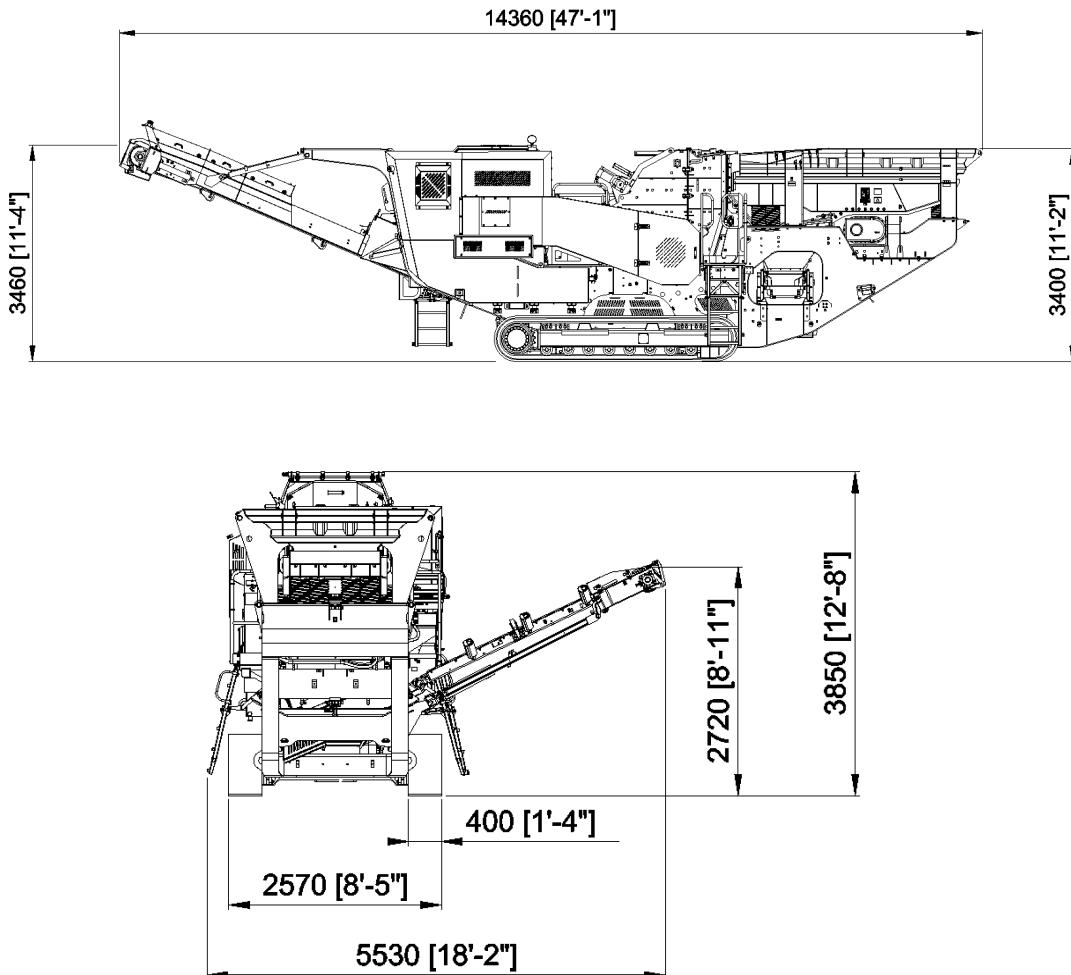


TRAKPACTOR 320



## DIMENSIONS

Figure 1: Trakpactor 320 - Standard Unit VGF  
Working Position



MORE DIMENSIONS OVERLEAF

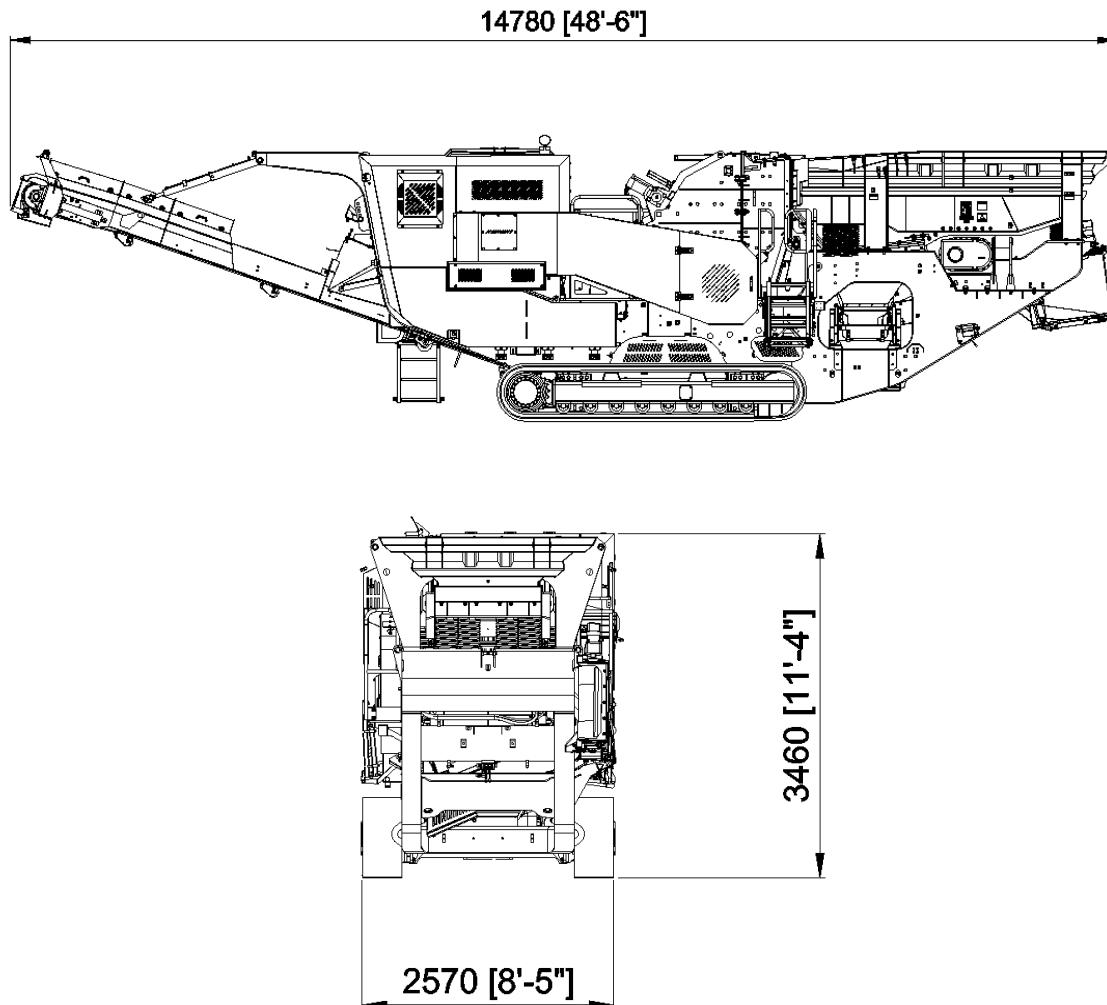


TRAKPACTOR 320



## DIMENSIONS

Figure 2: Trakpactor 320 - Standard Unit VGF  
Transport Position



MORE DIMENSIONS OVERLEAF

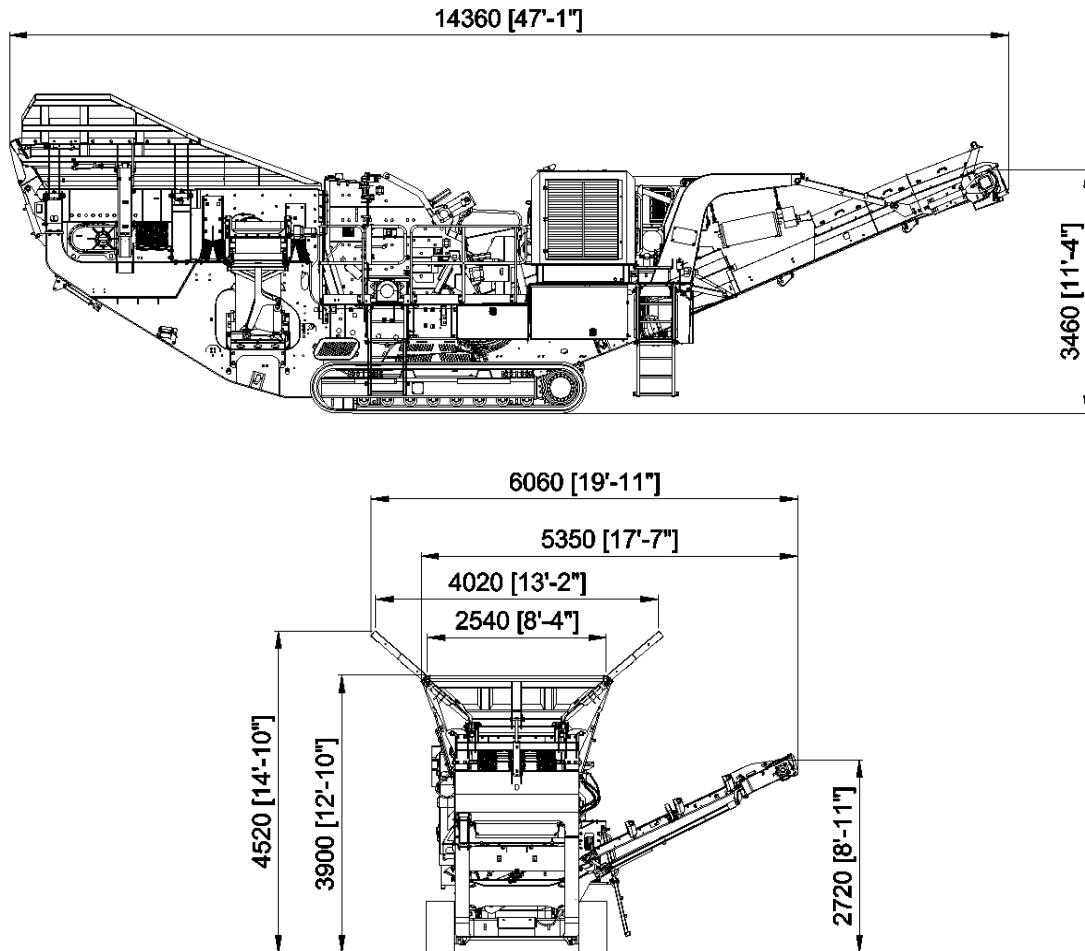


**TRAKPACTOR 320**



## DIMENSIONS

Figure 3: Trakpactor 320 - Pre-screen, Short bypass conveyor, Hopper extensions, Magnet Working Position



**MORE DIMENSIONS OVERLEAF**

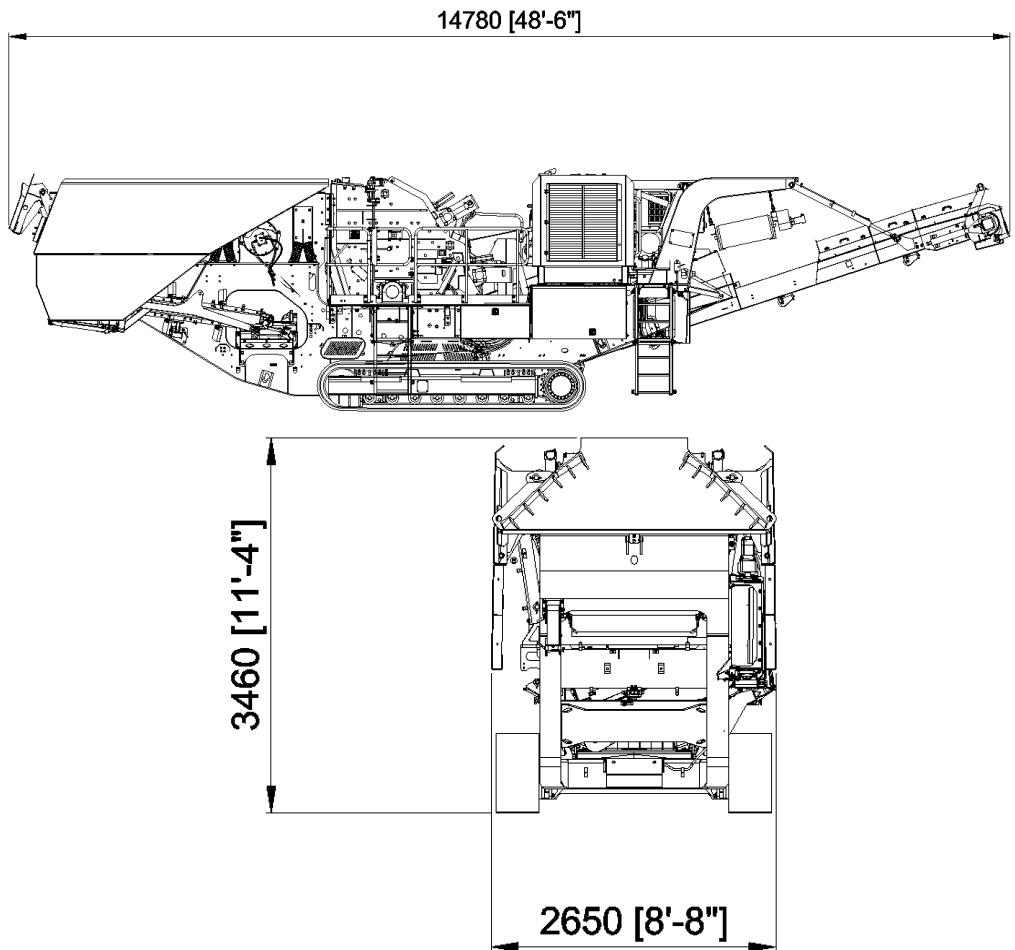


**TRAKPACTOR 320**



## DIMENSIONS

Figure 4: Trakpactor 320 - Pre-screen, Short bypass conveyor, Hopper extensions, Magnet Transport Position



**Powerscreen equipment complies with CE requirements.**

Please consult Powerscreen if you have any other specific requirements in respect of guarding, noise or vibration levels, dust emissions, or any other factors relevant to health and safety measures or environmental protection needs. On receipt of specific requests, we will endeavour to ascertain the need for additional equipment and, if appropriate, quote extra to contract prices.

All reasonable steps have been taken to ensure the accuracy of this publication, however due to a policy of continual product development we reserve the right to change specifications without notice.

It is the importers' responsibility to check that all equipment supplied complies with local legislation regulatory requirements.

Plant performance figures given in this brochure are for illustration purposes only and will vary depending upon various factors, including feed material gradings and characteristics. Information relating to capacity or performance contained within this publication is not intended to be, nor will be, legally binding.

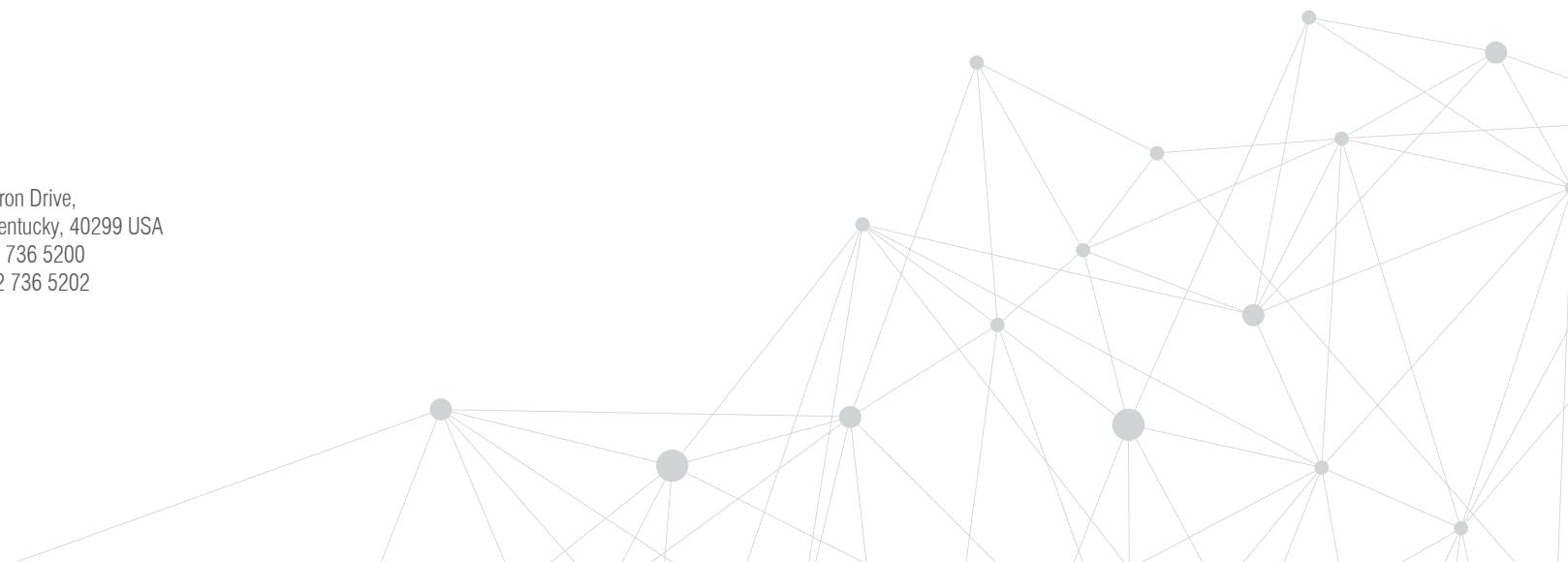
## GET IN TOUCH

**Dungannon**

200 Coalisland Road, Dungannon,  
Co Tyrone, BT71 4DR, Northern Ireland  
Tel: +44 (0) 28 87 718 500  
Fax: +44 (0) 28 87 747 231

**Louisville**

11001 Electron Drive,  
Louisville, Kentucky, 40299 USA  
Tel: +1 502 736 5200  
Fax: +1 502 736 5202



# APPENDIX 1 - ENGINE OPTIONS - Powerunit options that may be fitted in place of technical specification offering subject to availability

## Crushers – Tier 2

**CAT C9.3 242kW (325hp) as per 1000 Maxtrak and CAT C9.3 250kW (335hp) as per Trakpactor 320**

Option 1.) Scania DC09 074A 257kW (350hp)

## Crushers – Stage V

**CAT C4.4 129kW (173hp) as per Metrotrak**

Option 1.) Volvo D5 129kW (173hp)

**CAT C7.1 205kW (275hp) as per Premiertrak 330**

Option 1.) Volvo D8 210kW (282hp)

